

SECTION 01520
PROCEDURE FOR WORK VEHICLES

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Work Included: This section specifies work procedure flagging requirements, and requirements for work vehicles for operation on running rails.

1.2 WORK VEHICLE PROCUREMENT

- A. Provide work vehicles required for the performance of this Contract. Work vehicles will not be provided by the Owner.

1.3 WORK PROCEDURE

- A. Generally, revenue service ceases by approximately 1:15 a.m. and commences at 4:45 a.m. if there are no problems. Therefore, where there could be utilizing or fouling of the tracks, the working hours of this Contract shall be considered to be approximately 1:30 a.m. until 4:30 a.m. Clearance for work vehicles shall be considered.
- B. Request access to the tracks each day access is required. All requests for track access shall reach the Owner before 10:00 a.m. on the normal work day preceding the day access is required. The Owner will confirm granting of requests for access. If notice of denial of access is issued prior to 2:00 p.m. on the day preceding the access, the work shall be postponed and not counted as one of the denials allowed under the contract.

1.4 FLAGMEN REQUIREMENTS

- A. Work performed during revenue hours adjacent to the track (which could involve utilizing or fouling the tracks) requires blue uniform MBTA flagmen.
- B. Work performed during non-revenue hours requires flag protection by the Track Department, not the Operation Department.
- C. Requests for flagmen shall reach the Owner before 10:00 a.m. on the normal work day preceding the day the flagmen are required.

1.5 HI-RAIL EQUIPMENT

- A. Hi-Rail equipment is utilized to operate on running rails, adhere to the following:
 1. The equipment shall pass a test run in the areas it will utilize to the satisfaction of the Owner (Operating Department) before it can be used for work. Subsequent to passing required tests the equipment shall receive certification. Only certified equipment shall be allowed to operate under this Contract.
 2. Operate equipment after the last subway train has cleared, including any Owner work train, if applicable.
 3. Operate two units of equipment, self-propelled, in case one unit becomes disabled and has to be towed clear before revenue operation time to avoid any delays to the passenger train operation. Both units shall be accompanied with separate portable radios.
 4. Clear operating rails by 4:30 a.m. or as otherwise directed by the night orders and/or MBTA Dispatcher.
 5. Each separate piece of Hi-Rail, self-propelled equipment shall have a blue uniformed motorman assigned to it.
 6. Vehicle shall carry equipment to re-rail the unit in the event the vehicle derails. This is to eliminate delays to Operations.
- B. The Hi-Rail equipment shall be driven by a diesel engine. This engine has a higher flash point fuel and emits lower amounts of carbon monoxide than a gasoline engine. The fuel tank shall be of standard construction, sized for the type of vehicle and securely mounted. Fuel shall be #1 or #2 fuel oil with a flash point near 120 deg. F. Fuel piping and connections shall be made up to prevent oil or vapor leaks. The engine shall be maintained to prevent excessive exhaust emission and shall not be idled within the subway, preventing air contamination. No refueling shall be done within a subway section.
- C. Equipment on Hi-Rail vehicle shall include adjustable flanged wheels which can be engaged with standard "T" track. These wheels shall be capable of being mechanically locked in the rail operating position to prevent inadvertent retraction during travel.
- D. Hi-Rail equipment can be successfully operated at moderate speeds on main line tracks and at reduced speeds over turns, switches, and crossovers. Request from the Owner maximum operating speeds for the line the work is assigned. These maximum operating speeds shall be furnished to the vehicle operator and a "T" representative for guidance and enforcement.
- E. Provide a fire extinguisher on the Hi-Rail Vehicle, as required for safety. Fuel and equipment shall be stored outside the subway and provisions made for proper ventilation.
- F. One motorman (Owner personnel) will accompany each Hi-Rail vehicle piece of equipment in its moves at no additional cost to the Owner.

1.6 SAFETY

- A. As a requirement of this Contract at any place of work, whether in the or surface work and during the non-daylight hours, provide a minimum of two lighted red lanterns set out on the tracks to protect the work area. These lanterns shall be maintained in good operating condition throughout the length of the job. A copy of the MBTA handbook, "Hand, Flag, Lantern, and Safety Care Signal Safety Rules" (May, 1974) is available for guidance.
- B. Explosive materials, including, but not limited to propane and gasoline tanks, will not be allowed in the stations during revenue hours.

1.7 RADIOS

- A. As a requirement of this Contract, provide multiband FM two-way portable radios in accordance with MBTA Specification C6, latest revision. These radios shall accompany each piece of Hi-Rail equipment and various splintered work parties during work in or adjacent to the station that could affect operations. Also supply three portables to the Owner for their exclusive use. Maintenance of radios will be the responsibility of this Contract for its duration. Numbers for radios will be assigned by the MBTA for safety purposes. The radios shall be in proper working order when turned over to the Owner. Provide replacement radios for those radios out for maintenance. Owner will return radios upon completion of the Contract.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

PART 4 - MEASUREMENT AND PAYMENT

4.1 MEASUREMENT AND PAYMENT

- A. No separate measurement or payment will be made for work required under this section. Costs in connection therewith will be considered incidental to the item or items of work to which they pertain.

END OF SECTION